

Helping companies help nature

WHC works at the intersection of business and biodiversity using a model that is focused on implementation, community engagement and supply chain.

Every act of conservation matters.®

Empowering all acts of conservation is at the core of WHC members' work, whether it's a simple pollinator garden or a complex wetlands restoration.

Building collaborations for conservation.

WHC partners with corporations, agencies and community members to recognize and encourage biodiversity projects for conservation, education and recreation.

Helping companies further corporate goals.

WHC conservation programs advance member companies' biodiversity, sustainability, employee engagement and community relations goals.

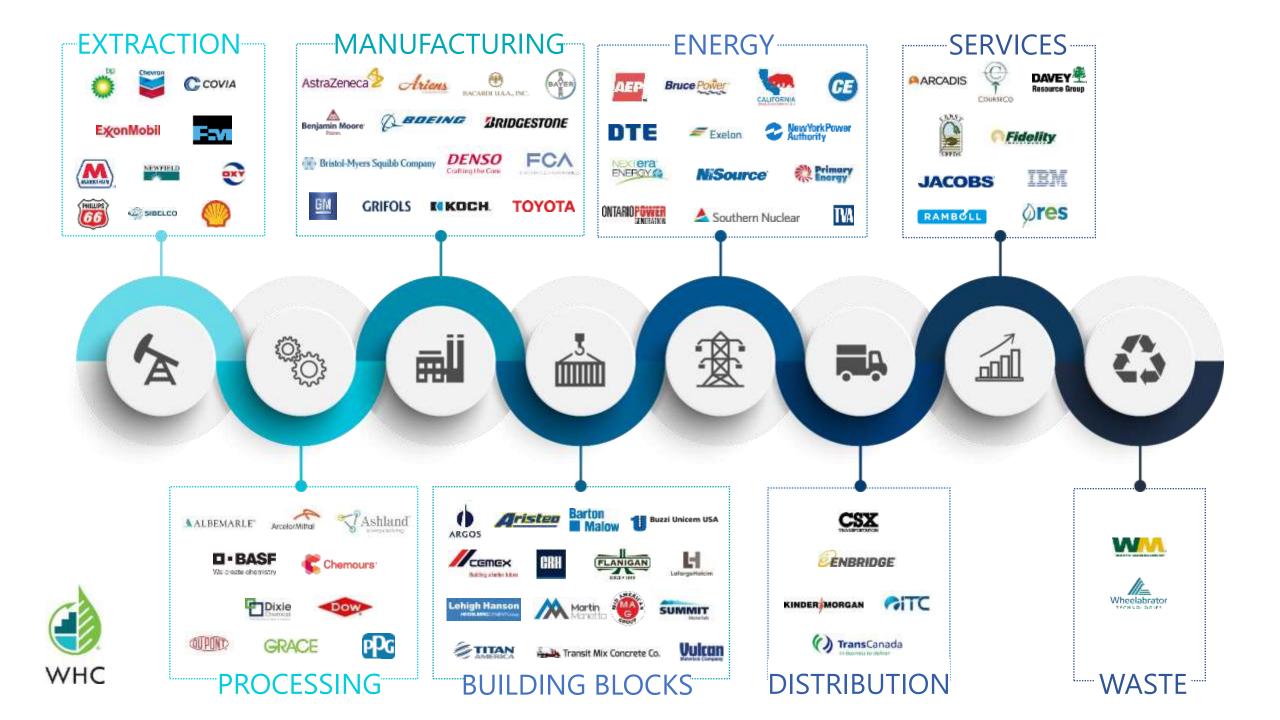
Uniquely qualified.

WHC is the only conservation organization to work exclusively with corporations to establish, enhance, maintain and protect biodiversity.

Global impact.

Since 1988, WHC has recognized more than 1,000 conservation programs worldwide through WHC Conservation Certification®, the only voluntary sustainability standard designed for broad-based biodiversity enhancement on corporate landholdings.





C-Suite 16 The Business Case for Conservation



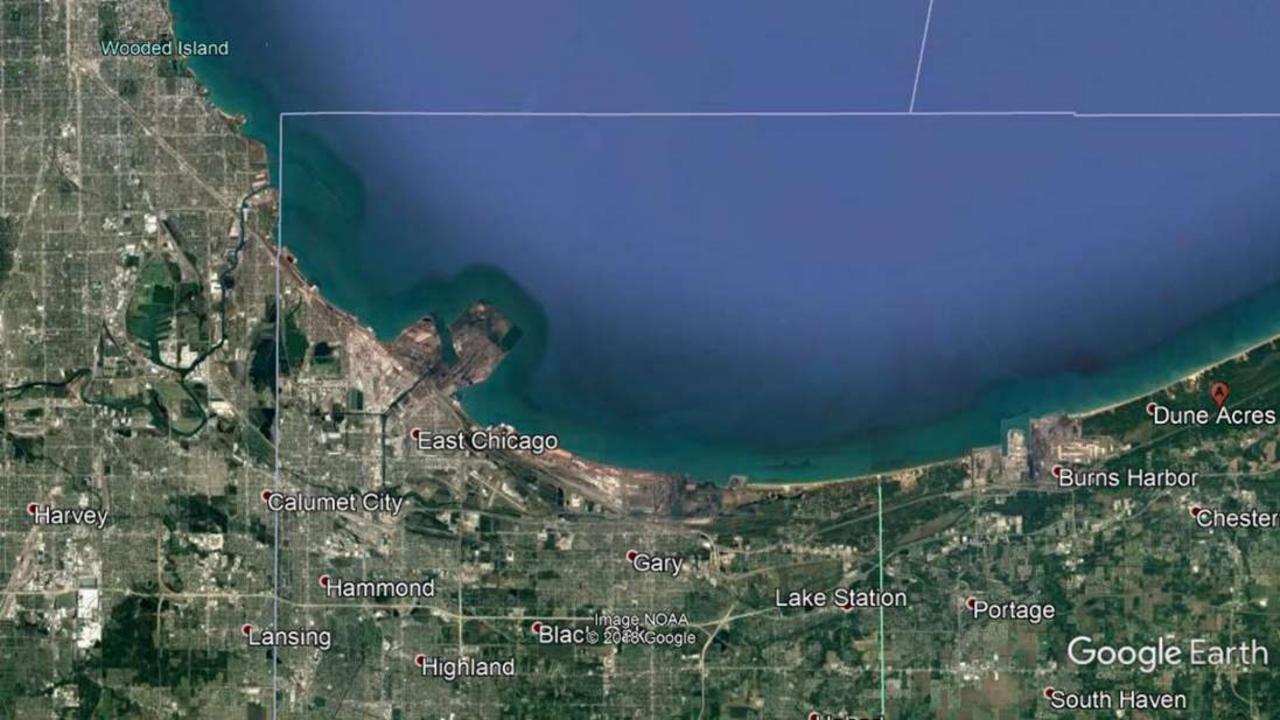


- Advocate nature-based solutions to reduce air and water pollution
- Share experiences from an Urban and Community Forestry collaborative in Coastal Indiana and Illinois: CommuniTree
- Expand your toolbox of P2 solutions to include ecological/nature-based options
- Solicit your ideas and participation in expanding UCF P2 actions at source and in the community

UCF = Pollution Prevention and Control







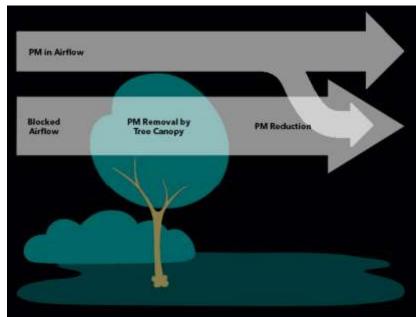
National, Regional, and Local Scales

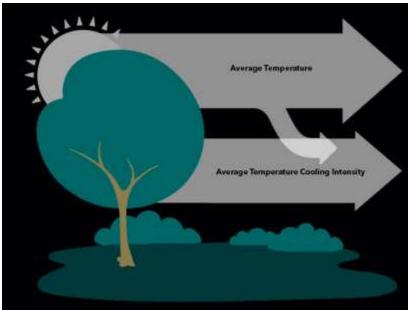






- WHC Conservation Certifications
- 2021 USEPA Source Reduction
 Assistance Grant Program
 NATURE-BASED SOLUTIONS FOR POLLUTION
 PREVENTION IN THE US AUTOMOTIVE SUPPLY
 CHAIN
- 2020 Urban and Community Forestry Challenge Grant Program: Urban Forest Resiliency Innovation with the National Ten Year Urban and Community Forestry Action Plan (2016-2026)
- US Forest Service Great Lakes Restoration Initiatives UCF to reduce stormwater runoff and air pollution and increase industrial and corporate participation





https://storymaps.arcgis.com/stories/708e395ca43a4da491afaf5fa1462d30

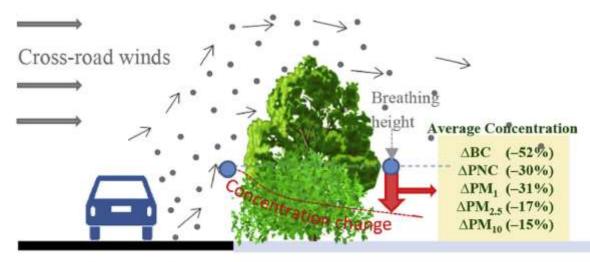
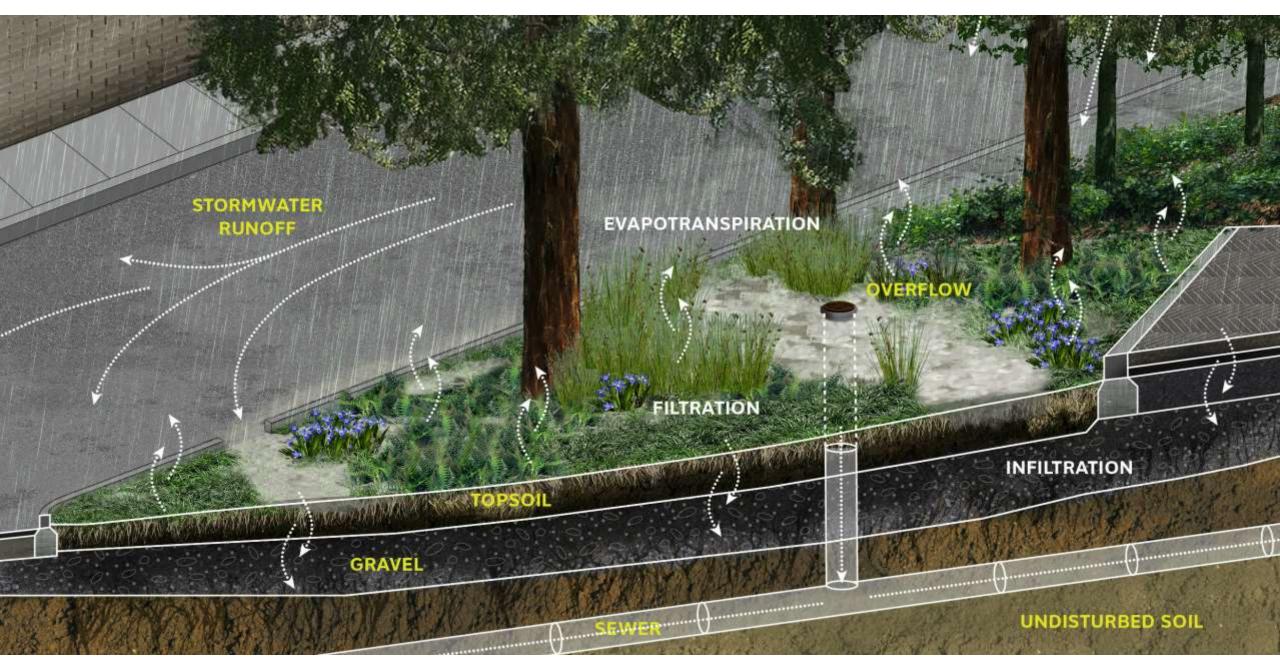
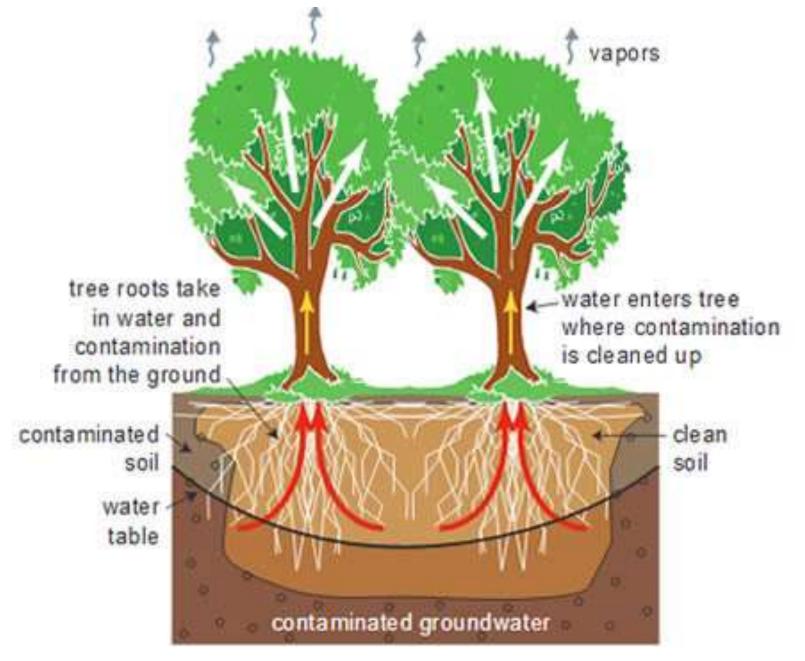


Figure 1: Percentage reduction in pollutant concentrations by using PCSs (Abhijith and Kumar, 2019). www.iscapeproject.eu/





www.scapestudio.com

























































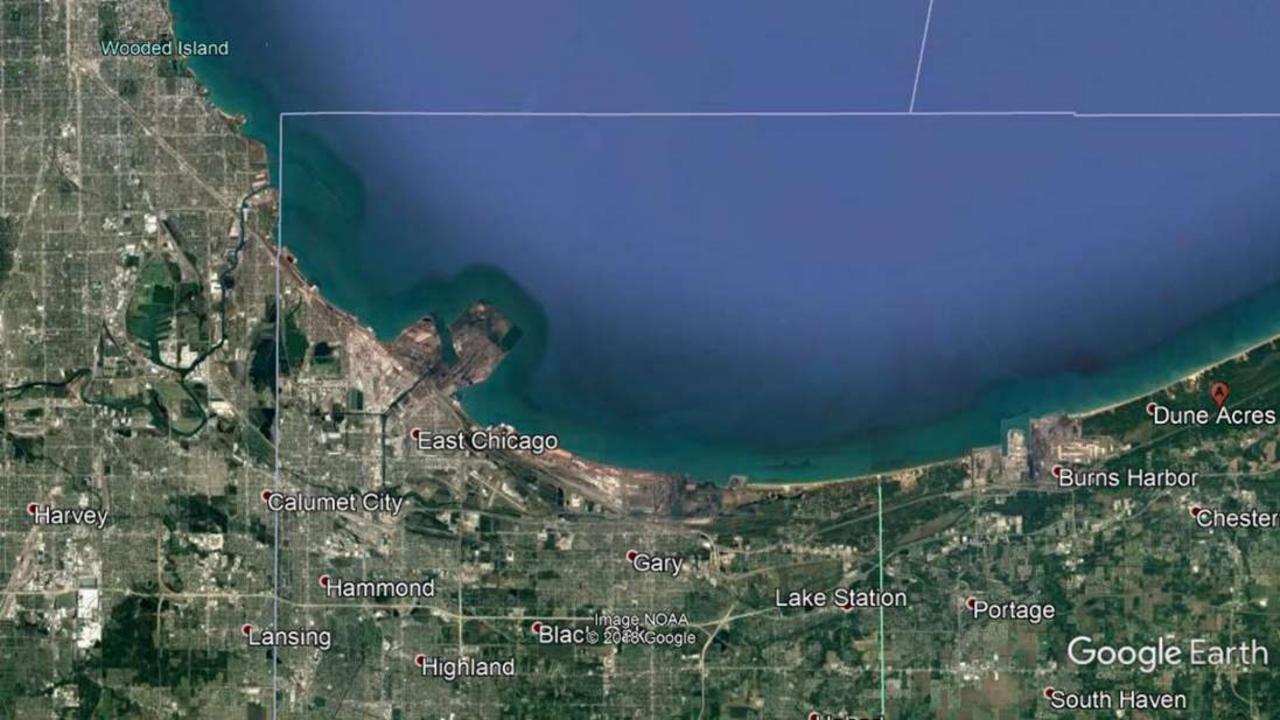


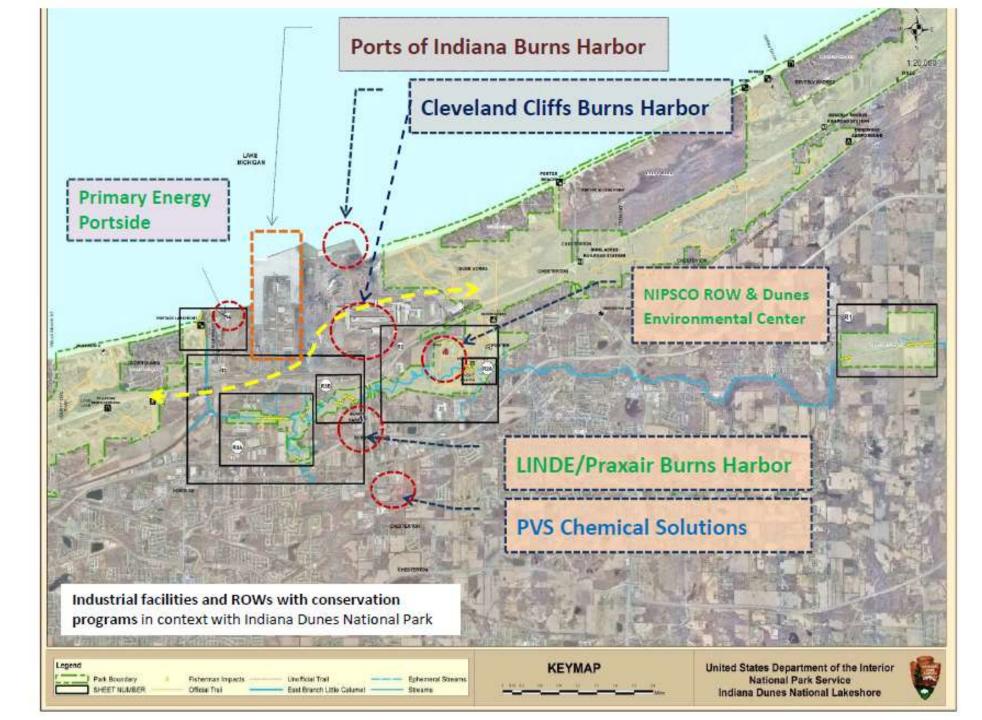






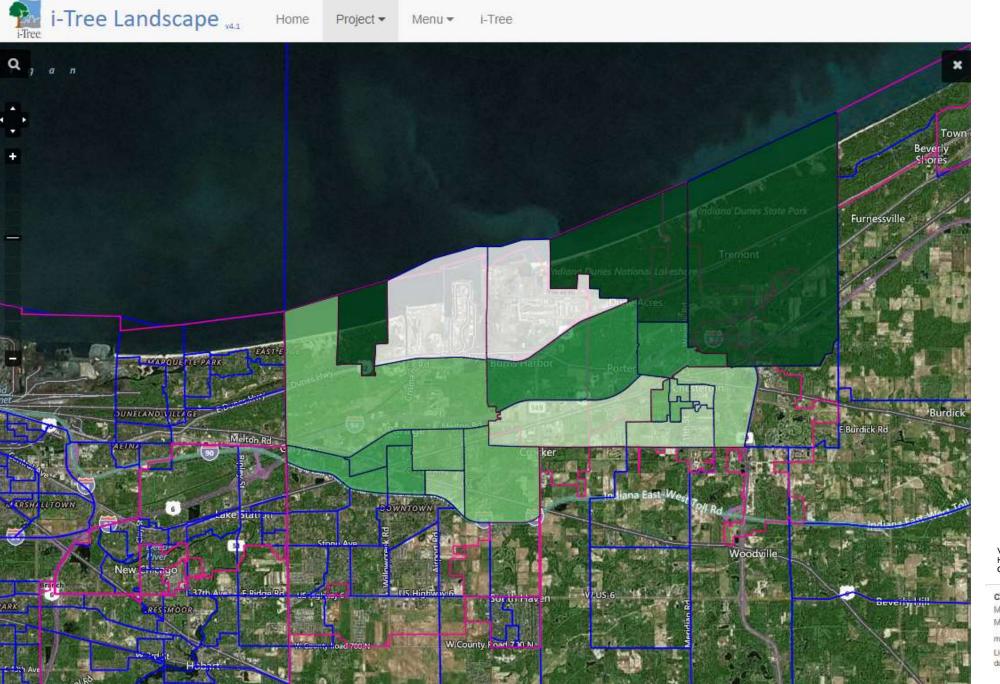






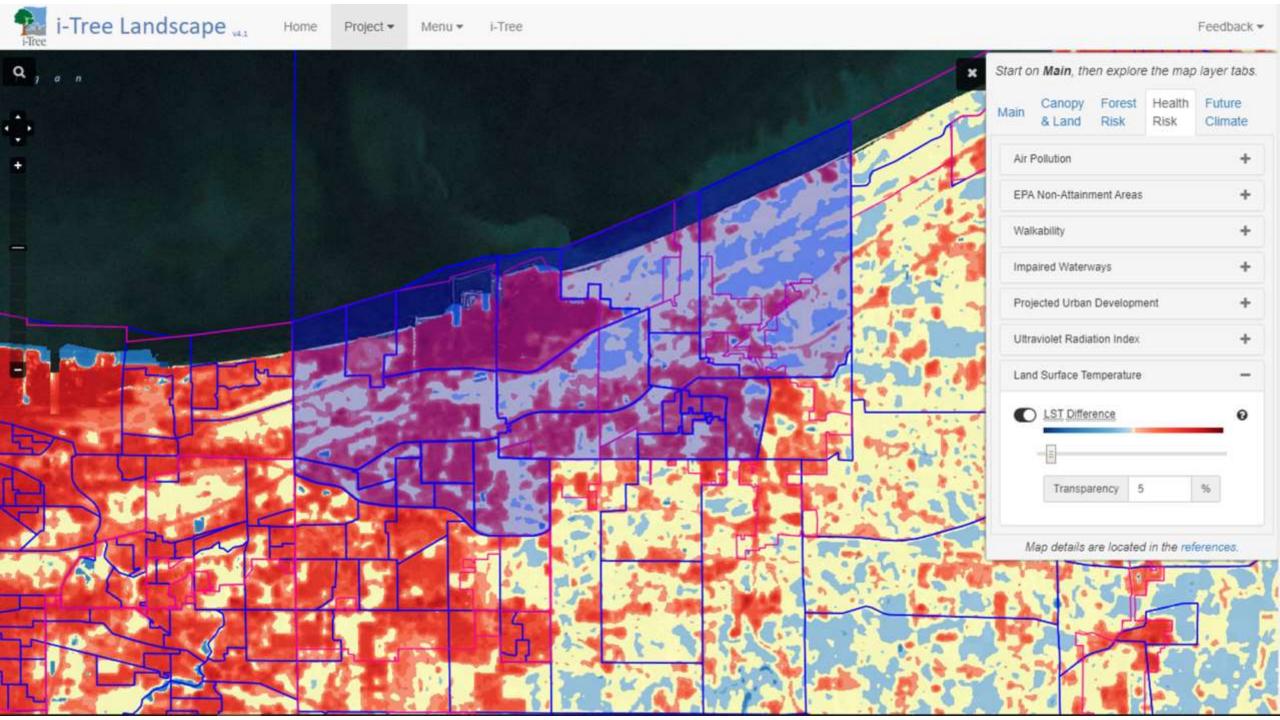












PORT OF INDIANA - BURNS HARBOR

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Ruilds, owns, and operates efficient waste heat recovery and combined heat and power facilities.

Goal is to reduce host energy costs, emissions, and carbon impact







30 Year Outputs

*Carbon Sequestered: 115,067.8 lbs (\$2,676.17)

Avoided runoff: 198,532.4 (\$1,774.06)

Pollution (O₃, NO₂, SO₂, PM_{2.5})

removed: 801lbs

Projected Yearly Outputs

Pollution Removal: 5.078 lbs/yr(\$6.92/yr)

Carbon Storage: 793.2 lbs

Carbon Sequestration: 119.5 lbs Oxygen Production: 318.7 lbs/yr

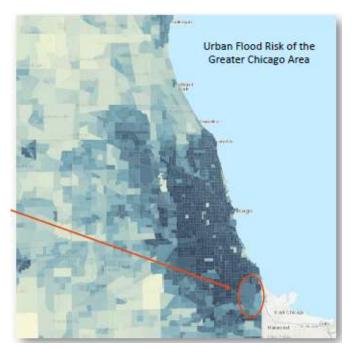
Avoided Runoff: 38.73 ft³/yr

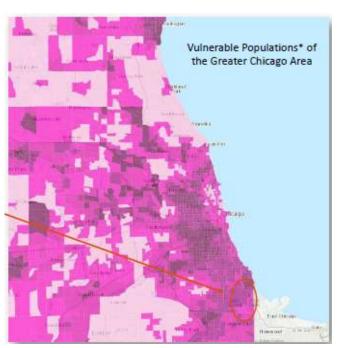


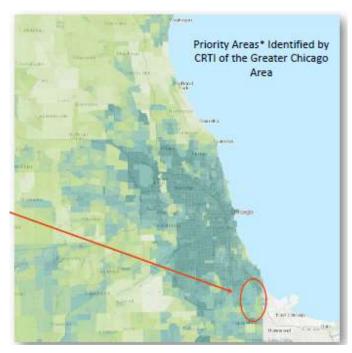














Example set of Canopy, Public health, flood risk (resiliency), and priority areas for Chicago Regional Trees Initiative





Google Earth Aerial of Site





















































What are we planting?

Student Conservation Association

NW Indiana Tree Planting with the Student Conservation Association



Native hardwoods

- 1.5-2" caliper
- Local nurseries
 - > Woody Warehouse Nursery (Lizton, IN)
 - Possibility Place Nursery (Monee, IL)
- Root-maker bag
- Tree planting considerations
 - > Street trees
 - > Companion planting



Working with Schools











Tree Watering!









Projected ecosystem services for 710 newly planted trees over 40 years!



Carbon dioxide 2,645,154 lbs sequestered

Stormwater effects 15,052,690 gallons intercepted 4,485,115 gallons managed (runoff avoided)

Air Quality 9,845 lbs. of pollutants removed

From: Al Zelaya's "Intro to iTree presentation".















Dead Ash tree canopy thinning NIPSCO ROW



Late December 2018 native tree planting Asphalt Operating Services of Chicago



Late winter prescribed fire on **ArcelorMittal Global R&D** dune and swale



Buckthorn removal and control at ExxonMobil Hammond Terminal

- 10,000 Trees and shrubs planted 2016-2020
- 250 acres of industrial lands reclaimed and managed
- Trees watered and focus on management & survival
- Outreach and Stewardship with thousands of people







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